

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Motive Power Technician (Automotive) -
Apprentice (16 weeks)

2014

MTA8 Curriculum Modification for 2015-16

Fanshawe College

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[cae_transporttechandapprenticeship_motivepowertechauto_apprentice16w_documentation](#)

DEGREE AUDIT CHANGE FORM

COURSE OR PROGRAM CURRICULUM "RATIONALE FOR CHANGE"

Program Requiring Changes

Program Title: Motive Power Technician (Automotive) and Motive Power Technician (Automotive) – Apprentice Motive Power Technician (Diesel) and Motive Power Technician (Diesel) – Apprentice		
Program Number: MTA7 and MTA8 MTD7 and MTD8	Date Submitted: Click here to enter a date.	
Dean responsible for program: Vertha Coligan	Chair: Rob Gorrie	
Credential Provided: <input type="checkbox"/> Local Certificate <input type="checkbox"/> Ont. College Certificate <input checked="" type="checkbox"/> Diploma <input type="checkbox"/> Adv. Diploma <input type="checkbox"/> Degree		
Program Intakes: <input checked="" type="checkbox"/> F <input checked="" type="checkbox"/> W <input type="checkbox"/> S Other:	Catalogue Year(s) Impacted: 2015/16	
Residency Requirement: <input checked="" type="checkbox"/> Met or <input type="checkbox"/> Not Met	Date of Last Program Review: 3/27/2014	
<i>I have read the reasons for the change and...</i>		<i>Signature and date</i>
Dean of Faculty (responsible for program):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	<i>[Signature] Sept 8/14</i>
Dean of Faculty (impacted by change): <i>SLLS.</i>	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	<i>See attached email.</i> ←
Dean of Faculty (impacted by change):	<input type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	
Associate Vice President Academic (required for major changes and late DAs):	<input checked="" type="checkbox"/> Approve <input type="checkbox"/> Do Not Approve	<i>[Signature] 12/01/14</i>
Director, Centre for Academic Excellence:	<input checked="" type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	<i>Julie Geddes nov. 21/14</i>
Office of the Registrar:	<input type="checkbox"/> Supports <input type="checkbox"/> Does Not Support	

Please answer each of the questions below, if applicable. Missing or incomplete information may delay review of the proposed changes.

1.0 Describe proposed change(s). Complete Appendix A (if necessary) and amend SDAR (Refer to Appendix C).

The programs will change from an accelerated delivery (i.e., three 16-week semesters) to the standard delivery (i.e., four 15-week semesters). This change requires significant reorganization of the curriculum.

2.0 Reason/Rationale for Changes

2.1 The reason for the change is based on:

- ☒ A recent program review
- ☐ College Advisory Committee feedback
- ☐ Program Advisory Committee feedback
- ☒ Student feedback
- ☒ KPI results
- ☐ Accreditation or other regulatory requirements
- ☐ Shared curriculum
- ☐ Trends in the field/industry
- ☒ Other (please describe): Student success (retention and attrition data)

2.2 Does the change support the College's Strategic Framework (mission, vision, values)?

- ☒ Yes - Specifically, "pathways to success", "an exceptional learning experience", and "focus on students"
- ☐ No (If no, please explain)

2.3 What strategic goal(s) does the proposed change support?

- ☒ Goal 1 - Enrolment growth (Outcome 1.1)
- ☒ Goal 2 - Flexible delivery options
- ☒ Goal 3 - Premier student experience (Outcomes 3.1, 3.2, 3.3, 3.5)
- ☐ Goal 4 - Sustainable College life

3.0 Students

3.1 Will the change affect the cost of the program for students?

- ☐ Yes
- ☒ No

3.2 If yes, there will be an additional cost for:

- ☐ Materials (Include details):

- ☐ Equipment (Include details):
- ☐ Other (Please describe):

4.0 Program Learning Outcomes

4.1 Will the proposed change meet the Program Vocational Learning Outcomes? (Complete Appendix B)

- ☒ Yes
- ☐ No

4.2 Are there any implications related to progression because of pre-requisite courses (and/or co-requisite courses)?

- ☒ No
- ☐ Yes (If yes, please explain)

5.0 Relationships with Other Programs

5.1 Is this course part of any other Fanshawe College program(s)?

- ☒ No
- ☐ Yes (If yes, please identify the other program(s))

5.2 What Schools/Campuses will be impacted by the proposed change?

- ☐ Tourism and Hospitality
- ☐ Information Technology
- ☐ Lawrence Kinlin School of Business
- ☐ Health Sciences
- ☐ Human Services
- ☐ Nursing
- ☐ Design
- ☒ Language and Liberal Studies
- ☐ Contemporary Media
- ☐ Building Technology
- ☐ Applied Sciences and Technology
- ☒ Transportation Technology
- ☐ Continuing Education
- ☐ Oxford County Campus
- ☐ James N. Allan Campus
- ☐ St. Thomas Campus

5.3 Will the change affect pathway agreements (e.g., bridging, internal articulations, laddering, advanced standing) with other Fanshawe programs and/or other institutions?

- ☐ No

☒ Yes (If yes, please explain) Adoption of standard academic calendar will improve alignment with ONCAT agreements and military training opportunities.

5.4 What discussions have been initiated with these institutions regarding the changes?
Chair and Program Coordinator will initiate discussions with local Canadian Armed Forces contacts.

6.0 Resource Implications of Proposed Changes

6.1 Will the proposed change have staffing implications?

☐ No

☒ Yes (If yes, please explain) Staff will be reallocated from a three-semester 16-week delivery to the standard four-semester 15-week delivery. The transition year when both deliveries will be offered will present scheduling challenges; however, faculty are supportive of the change.

6.2 Will the proposed change impact any of the Enabling areas?

☒ No

☐ Yes (If yes, please explain)

6.3 Will the proposed change affect space and/or technology requirements?

☒ No

☐ Yes (If yes, please explain)

7.0 General College Requirements

7.1 Are changes consistent with College's policies/practices?

☒ Yes - Proposed delivery aligns with standard academic calendar.

☐ No (If no, please explain)

7.2 Total Program Hours after degree audit change: 1380

7.2.1 Are these hours consistent with the requirements as listed below?

☒ Yes

☐ No (If no, please explain)

Local Certificate - 300 hours	Ontario College Certificate - 600 hours
Diploma - 1200 to 1400 hours	Advanced Diploma - 1800 to 2000 hours
Graduate Certificate - 600 hours	

7.3 Will the program meet the General Education requirements (Policy 2-B-02) as listed below?

☐ No

☒ Yes

Local Certificate, Ontario College Certificate and Graduate Certificate - none required)	Diploma - 3 required (minimum of 1 must be an elective)	Advanced Diploma - 4 required (minimum of 2 must be electives)
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7.4 Will the program have 25% distinct curriculum to meet the Residency Requirement of 25% credit units? Consider all pathway agreements (e.g., bridging, internal articulations, laddering, advanced standing) with other Fanshawe programs and/or other institutions.

- ☐ No
☒ Yes

Note: In accordance with POLICY NUMBER: 2-B-17 Graduation from Approved College Programs

...to be eligible for any College Credential a student must be enrolled and complete at least 25% of that program's credit units at Fanshawe College, unless stipulated differently by other approving bodies such as the Postsecondary Education Quality Assessment Board (PEQAB).

APPENDIX A-1: PROPOSED DEGREE AUDIT CHANGES (for CAE) – MTA7 and MTA8

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
Year 1								
				Redesigning the curriculum for standard four 15-week semesters (from three 16-week semesters) See 2014/2015 DA current curriculum.	MOTP - 1050	Engine Fundamentals - Theory	30	2
					MOTP - 1051	Engine Fundamentals - Lab	30	1
					MOTP - 1052	Electrical Fundamentals - Theory	60	4
					MOTP - 1053	Electrical Fundamentals - Lab	45	1.5
					MOTP - 1054	Power Train Fundamentals - Theory	30	2
					MOTP - 1055	Power Train Fundamentals - Lab	30	1
					MOTP - 1056	Fuel and Emission Fundamentals - Theory	45	3
					MOTP - 1057	Fuel and Emission Fundamentals - Lab	45	1.5
					MOTP - 1058	Vehicle Control Fundamentals - Theory	45	3
					MOTP - 1059	Vehicle Control Fundamentals - Lab	45	1.5
					MOTP - 1060	Technical Practices - Theory	45	3
					MOTP - 1061	Technical Practices - Lab	30	1
					MATH- 1162	Applied Mathematics	45	3
					WRIT- 1039	Reason & Writing I - Technology	45	3
					MKTG- 1047	Marketing Principles	45	3
					ACAD- 1007	Skills for Success	45	2
TOTAL		874	46	TOTAL			660	35.5
Year 2								
					MOTP - 5017	Auto Engine Mechanical Sys - Theory	30	2
					MOTP - 5018	Auto Engine Mechanical Sys - Lab	30	1
					MOTP - 5019	Auto Elec/Electronic Sys - Theory	60	4
					MOTP - 5020	Auto Elec/Electronic Sys - Lab	60	2
					MOTP - 5021	Auto Power Train Systems - Theory	30	2
					MOTP - 5022	Auto Power Train Systems - Lab	30	1
					MOTP - 5023	Auto Fuel and Emission Sys - Theory	45	3
					MOTP - 5024	Auto Fuel and Emission Sys - Lab	45	1.5
					MOTP - 5025	Auto Vehicle Control Sys - Theory	45	3
					MOTP - 5026	Auto Vehicle Control Sys - Lab	45	1.5

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
					MOTP - 5027	Auto Climate Control Sys - Theory	15	1
					MOTP - 5028	Auto Climate Control Sys - Lab	30	1
					MOTP - 5029	Alternative Energy Veh Sys - Theory	30	2
					MOTP - 5030	Alternative Energy Veh Sys - Lab	30	1
					MGMT - 5041	Management Principles	45	3 <i>GE</i>
					MGMT - 5043	Applied Management Principles	30	2
					MOTP - 5014	Applied Vehicle Dynamics	45	3
					COMM-3040	Communications - Motive Power	45	3
					GE Elective	--	45	3 <i>GE</i>
TOTAL		530	30.5	TOTAL			735	40

APPENDIX A-2: PROPOSED DEGREE AUDIT CHANGES (for CAE) – MTD7 and MTD8

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
Year 1								
				Redesigning the curriculum for standard four 15-week semesters (from three 16-week semesters) See 2014/2015 DA current curriculum.	MOTP - 1050	Engine Fundamentals - Theory	30	2
					MOTP - 1051	Engine Fundamentals - Lab	30	1
					MOTP - 1052	Electrical Fundamentals - Theory	60	4
					MOTP - 1053	Electrical Fundamentals - Lab	45	1.5
					MOTP - 1054	Power Train Fundamentals - Theory	30	2
					MOTP - 1055	Power Train Fundamentals - Lab	30	1
					MOTP - 1056	Fuel and Emission Fundamentals - Theory	45	3
					MOTP - 1057	Fuel and Emission Fundamentals - Lab	45	1.5
					MOTP - 1058	Vehicle Control Fundamentals - Theory	45	3
					MOTP - 1059	Vehicle Control Fundamentals - Lab	45	1.5
					MOTP - 1060	Technical Practices - Theory	45	3
					MOTP - 1061	Technical Practices - Lab	30	1
					MATH- 1162	Applied Mathematics	45	3
					WRIT- 1039	Reason & Writing I - Technology	45	3
					MKTG- 1047	Marketing Principles	45	3
					ACAD- 1007	Skills for Success	45	2
TOTAL		874	46	TOTAL		660	35.5	
Year 2								
					MOTP – 5032	Diesel Engine Mechanical Sys - Theory	30	2
					MOTP – 5032	Diesel Engine Mechanical Sys - Lab	30	1
					MOTP – 5033	HD Elec/Electronic Sys - Theory	60	4
					MOTP – 5034	HD Elec/Electronic Sys – Lab	60	2
					MOTP – 5035	HD Power Train Systems - Theory	30	2
					MOTP – 5036	HD Power Train Systems - Lab	30	1
					MOTP – 5037	Diesel Fuel and Emission Sys - Theory	45	3
					MOTP – 5038	Diesel Fuel and Emission Sys - Lab	45	1.5
					MOTP – 5039	HD Vehicle Control Sys - Theory	45	3
					MOTP - 5040	HD Vehicle Control Sys – Lab	45	1.5

Course Code	Existing DA Courses	Total Hours	Total Credits	Describe proposed changes	Course Code	Proposed DA Courses	Total Hours	Total Credits
					MOTP – 5041	HD Climate Control Sys - Theory	15	1
					MOTP – 5042	HD Climate Control Sys - Lab	30	1
					MOTP – 5043	HD Alt Energy Veh Sys - Theory	30	2
					MOTP - 5044	HD Alt Energy Veh Sys - Lab	30	1
					MGMT - 5041	Management Principles	45	3 <i>GE</i>
					MGMT - 5043	Applied Management Principles	30	2
					MOTP - 5014	Applied Vehicle Dynamics	45	3
					COMM-3040	Communications - Motive Power	45	3
					GE Elective	--	45	3 <i>GE</i>
TOTAL		530	31.5	TOTAL			735	40

Degree Audit Report

Catalog: 2015/2016

Program: MTA4

Name: Motive Power Technician
(Automotive) - (Accelerated)

Department: MPW - Transportation Technology

Academic Level: PS

CCD: 8 - 4AcadSem/1200-1400hrs

Credential: Ontario College Diploma

Grade Scheme: LG2

Major: MTA4 - Motive Power Technician (auto)

Div: MPW - Motive Power Division

Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 76.50

Residency Reqmt: 20.00

GPA Requirement: 2.000

Residency Reqmt GPA: 2.000

Minimum Grade: D

Academic Requirement: MTA4.15 Motive Power Technician (Automotive)

Major: MTA4

Grade Scheme: LG2

Minimum GPA: 2.000

Minimum Grade:

Subrequirement: Year 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
MKTG-1047	Marketing Principles	45.00	3.00	**
MATH-1162	Applied Mathematics	48.00	3.00	
MGMT-1198	Management-Intro	48.00	3.00	
WRIT-1039	Reason & Writing 1-Technology	45.00	3.00	

Subrequirement: Year 1 Add'l Reqmt

Take 1 of the following groups:

Group 1

		Total Hours	Total Credits	GE
MOTP-1036	Engine Mechanical Sys Fundamentals-Thy	64.00	4.00	
MOTP-1037	Engine Mechanical Sys Fundamentals-Lab	64.00	2.00	

Group 2

		Total Hours	Total Credits	GE
MOTP-1028	Engine Mechanical Systems Fundamentals	128.00	6.00	

Subrequirement: Year 1 Add'l Reqmt

Take 1 of the following groups:

Group 1

		Total Hours	Total Credits	GE
MOTP-1038	Power Train Sys Fundamentals-Thy	48.00	3.00	

See Appendix
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Degree Audit Report

Group 2	MOTP-1039	Power Train Sys Fundamentals-Lab	48.00	1.50	
			Total Hours	Total Credits	GE
	MOTP-1029	Power Train Systems Fundamentals	96.00	4.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
	MOTP-1040	Fuel & Emission Sys Fundamentals-Thy	64.00	4.00	
	MOTP-1041	Fuel & Emission Sys Fundamentals-Lab	48.00	1.50	
Group 2			Total Hours	Total Credits	GE
	MOTP-1030	Fuel & Emission Systems Fundamentals	112.00	5.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
	MOTP-1042	Vehicle Control Sys Fundamentals-Thy	80.00	5.00	
	MOTP-1043	Vehicle Control Sys Fundamentals-Lab	48.00	1.50	
Group 2			Total Hours	Total Credits	GE
	MOTP-1031	Vehicle Control Systems Fundamentals	128.00	6.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
	MOTP-1044	Electrical Sys Fundamentals-Thy	80.00	5.00	
	MOTP-1045	Electrical Sys Fundamentals-Lab	48.00	1.50	
Group 2			Total Hours	Total Credits	GE
	MOTP-1032	Electrical Systems Fundamentals	128.00	6.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
	MOTP-1046	Technical Practices & Auxillary Sys-Thy	64.00	4.00	
	MOTP-1047	Technical Practices & Auxillary Sys-Lab	32.00	1.00	

See Appendix
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Group 2

		Total Hours	Total Credits	GE
MOTP-1033	Technical Practices & Auxilliary Systems	96.00	5.00	

Subrequirement: Year 2

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
MOTP-5002	Automotive Electrical/Electronic Systems	72.00	4.00	
MOTP-5003	Automotive Fuel & Emission Systems	64.00	3.00	
MOTP-5004	Alternative Energy Vehicle Systems	64.00	3.00	
MOTP-5005	Automotive Climate Control Systems	32.00	1.50	
MOTP-5006	Automotive Power Train Systems	36.00	2.50	
MOTP-5007	Automotive Vehicle Control Systems	44.00	2.50	
MOTP-5014	Applied Vehicle Dynamics	48.00	3.00	
MGMT-5041	Management Principles	45.00	3.00	**
MGMT-5043	Applied Management Principles	35.00	2.00	
COMM-3040	Communications-Motive Power	45.00	3.00	


See Appendix
A-1**Subrequirement: Gen Ed - Electives**

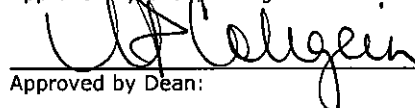
Take 3 General Education Credits -


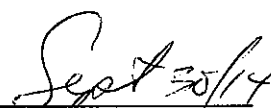
Normally taken in Year 2

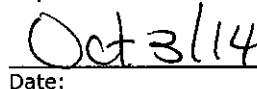
Subrequirement: Program Residency

Students Must Complete a Minimum of 20 credits in this
program at Fanshawe College to meet the Program Residency
requirement and graduate from this program


Approved By Chair/Manager:


Approved by Dean:

 
Department and Date:


Date:

General Education Approved By(as appropriate):

Date:

Degree Audit Report

Catalog: 2015/2016

Program: MTA#8

Name: Motive Power Technician
(Automotive) - Apprentice

Department: MPW - Transportation Technology

Academic Level: PS

CCD: 8 - 4AcadSem/1200-1400hrs

Credential: Ontario College Diploma

Grade Scheme: LG2

Major: MTA5 - Motive Pwr Techn-Auto-Appr

Div: MPW - Motive Power Division

Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 76.50

Residency Reqmt: 20.00

GPA Requirement: 2.000

Residency Reqmt GPA: 2.000

Minimum Grade: D

Academic Requirement: MTA5.15 Motive Power Technician (Automotive) - Apprentice

Major: MTA5

Grade Scheme: LG2

Minimum GPA: 2.000

Minimum Grade:

Subrequirement: Year 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
MKTG-1047	Marketing Principles	45.00	3.00	**
MATH-1162	Applied Mathematics	48.00	3.00	
MGMT-1198	Management-Intro	48.00	3.00	
WRIT-1039	Reason & Writing 1-Technology	45.00	3.00	

Subrequirement: Year 1 Add'l Reqmt

Take 1 of the following groups:

Group 1

		Total Hours	Total Credits	GE
MOTP-1036	Engine Mechanical Sys Fundamentals-Thy	64.00	4.00	
MOTP-1037	Engine Mechanical Sys Fundamentals-Lab	64.00	2.00	

Group 2

		Total Hours	Total Credits	GE
MOTP-1028	Engine Mechanical Systems Fundamentals	128.00	6.00	

Subrequirement: Year 1 Add'l Reqmt

Take 1 of the following groups:

Group 1

		Total Hours	Total Credits	GE
MOTP-1038	Power Train Sys Fundamentals-Thy	48.00	3.00	

See Appendix
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Group 2	MOTP-1039	Power Train Sys Fundamentals-Lab	48.00	1.50	
			Total Hours	Total Credits	GE
	MOTP-1029	Power Train Systems Fundamentals	96.00	4.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
	MOTP-1040	Fuel & Emission Sys Fundamentals-Thy	64.00	4.00	
	MOTP-1041	Fuel & Emission Sys Fundamentals-Lab	48.00	1.50	
Group 2			Total Hours	Total Credits	GE
	MOTP-1030	Fuel & Emission Systems Fundamentals	112.00	5.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
	MOTP-1042	Vehicle Control Sys Fundamentals-Thy	80.00	5.00	
	MOTP-1043	Vehicle Control Sys Fundamentals-Lab	48.00	1.50	
Group 2			Total Hours	Total Credits	GE
	MOTP-1031	Vehicle Control Systems Fundamentals	128.00	6.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
	MOTP-1044	Electrical Sys Fundamentals-Thy	80.00	5.00	
	MOTP-1045	Electrical Sys Fundamentals-Lab	48.00	1.50	
Group 2			Total Hours	Total Credits	GE
	MOTP-1032	Electrical Systems Fundamentals	128.00	6.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
	MOTP-1046	Technical Practices & Auxillary Sys-Thy	64.00	4.00	

See Appendix A-1

Degree Audit Report

MOTP-1047	Technical Practices & Auxillary Sys-Lab	32.00	1.00
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Group 2

		Total Hours	Total Credits	GE
MOTP-1033	Technical Practices & Auxilliary Systems	96.00	5.00	

Subrequirement: Year 2

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
MOTP-5002	Automotive Electrical/Electronic Systems	72.00	4.00	
MOTP-5003	Automotive Fuel & Emission Systems	64.00	3.00	
MOTP-5004	Alternative Energy Vehicle Systems	64.00	3.00	
MOTP-5005	Automotive Climate Control Systems	32.00	1.50	
MOTP-5006	Automotive Power Train Systems	36.00	2.50	
MOTP-5007	Automotive Vehicle Control Systems	44.00	2.50	
MOTP-5014	Applied Vehicle Dynamics	48.00	3.00	
MGMT-5041	Management Principles	45.00	3.00	**
MGMT-5043	Applied Management Principles	35.00	2.00	
COMM-3040	Communications-Motive Power	45.00	3.00	

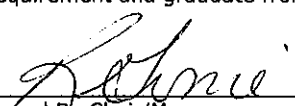
see Appendix
A-1**Subrequirement: Gen Ed - Electives**

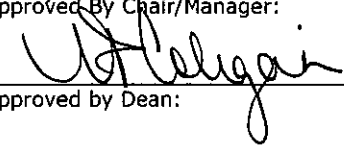
Take 3 General Education Credits -

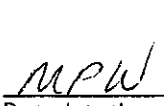
Normally taken in Year 2

Subrequirement: Program Residency

Students Must Complete a Minimum of 20 credits in this
program at Fanshawe College to meet the Program Residency
requirement and graduate from this program


Approved By Chair/Manager:


Approved by Dean:

 Sep 30/14
Department and Date:

Oct 3/14
Date:

General Education Approved By(as appropriate):

Date:

Degree Audit Report

Catalog: 2015/2016

Program: MTD4 7

Name: Motive Power Technician
(Diesel) - (Accelerated)

Department: MPW - Transportation Technology

Academic Level: PS

CCD: 8 - 4AcadSem/1200-1400hrs

Credential: Ontario College Diploma

Grade Scheme: LG2

Major: MTD4 - Motive Power Tech'n (diesel)

Div: MPW - Motive Power Division

Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 77.50

Residency Reqmt: 20.00

GPA Requirement: 2.000

Residency Reqmt GPA: 2.000

Minimum Grade: D

Academic Requirement: MTD4.15 Motive Power Technician (Diesel)

Major: MTD4

Grade Scheme: LG2

Minimum GPA: 2.000

Minimum Grade:

Subrequirement: Year 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
MKTG-1047	Marketing Principles	45.00	3.00	**
MATH-1162	Applied Mathematics	48.00	3.00	
MGMT-1198	Management-Intro	48.00	3.00	
WRIT-1039	Reason & Writing 1-Technology	45.00	3.00	

Subrequirement: Year 1 Add'l Reqmt

Take 1 of the following groups:

Group 1

		Total Hours	Total Credits	GE
MOTP-1036	Engine Mechanical Sys Fundamentals-Thy	64.00	4.00	
MOTP-1037	Engine Mechanical Sys Fundamentals-Lab	64.00	2.00	

Group 2

		Total Hours	Total Credits	GE
MOTP-1028	Engine Mechanical Systems Fundamentals	128.00	6.00	

Subrequirement: Year 1 Add'l Reqmt

Take 1 of the following groups:

Group 1

		Total Hours	Total Credits	GE
MOTP-1038	Power Train Sys Fundamentals-Thy	48.00	3.00	

See Appendix
A-2

Degree Audit Report

	MOTP-1039	Power Train Sys Fundamentals-Lab	48.00	1.50	
Group 2					
			Total Hours	Total Credits	GE
	MOTP-1029	Power Train Systems Fundamentals	96.00	4.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following group:					
Group 1					
			Total Hours	Total Credits	GE
	MOTP-1040	Fuel & Emission Sys Fundamentals-Thy	64.00	4.00	
	MOTP-1041	Fuel & Emission Sys Fundamentals-Lab	48.00	1.50	
Group 2					
			Total Hours	Total Credits	GE
	MOTP-1030	Fuel & Emission Systems Fundamentals	112.00	5.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
			Total Hours	Total Credits	GE
	MOTP-1042	Vehicle Control Sys Fundamentals-Thy	80.00	5.00	
	MOTP-1043	Vehicle Control Sys Fundamentals-Lab	48.00	1.50	
Group 2					
			Total Hours	Total Credits	GE
	MOTP-1031	Vehicle Control Systems Fundamentals	128.00	6.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
			Total Hours	Total Credits	GE
	MOTP-1044	Electrical Sys Fundamentals-Thy	80.00	5.00	
	MOTP-1045	Electrical Sys Fundamentals-Lab	48.00	1.50	
Group 2					
			Total Hours	Total Credits	GE
	MOTP-1032	Electrical Systems Fundamentals	128.00	6.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
			Total Hours	Total Credits	GE
	MOTP-1046	Technical Practices & Auxillary Sys-Thy	64.00	4.00	

See Appendix
A-2

Degree Audit Report

Group 2	MOTP-1047	Technical Practices & Auxillary Sys-Lab	32.00	1.00	
			Total Hours	Total Credits	GE
	MOTP-1033	Technical Practices & Auxilliary Systems	96.00	5.00	

Subrequirement: Year 2

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
MOTP-5008	Heavy Duty Electrical/Electronic Systems	72.00	4.00	
MOTP-5009	Diesel Engine Management Systems	72.00	4.00	
MOTP-5010	Diesel Engine Mechanical Systems	40.00	2.50	
MOTP-5011	Heavy Duty Climate Control Systems	40.00	2.50	
MOTP-5012	Heavy Duty Power Train Systems	40.00	1.50	
MOTP-5013	Heavy Duty Vehicle Control Systems	48.00	3.00	
MOTP-5014	Applied Vehicle Dynamics	48.00	3.00	
MGMT-5041	Management Principles	45.00	3.00	**
MGMT-5043	Applied Management Principles	35.00	2.00	
COMM-3040	Communications-Motive Power	45.00	3.00	

See Appendix
A-2**Subrequirement: Gen Ed - Electives**

Take 3 General Education Credits -

Normally taken in Year 2

Subrequirement: Program Residency

Students Must Complete a Minimum of 20 credits in this program at Fanshawe College to meet the Program Residency requirement and graduate from this program

Approved By Chair/Manager:

Approved by Dean:

Department and Date:

Date:

General Education Approved By(as appropriate):

Date:

Degree Audit Report

Catalog: 2015/2016

Program: MTD5

Name: Motive Power Technician
(Diesel) - Apprentice

Department: MPW - Transportation Technology

Academic Level: PS

CCD: 8 - 4AcadSem/1200-1400hrs

Credential: Ontario College Diploma

Grade Scheme: LG2

Major: MTD5 - Motive Pwr Techn-Diesel-Appr

Div: MPW - Motive Power Division

Co-Op Indicator: N/A

Academic Program Requirement

Total Credits: 77.50

Residency Reqmt: 20.00

GPA Requirement: 2.000

Residency Reqmt GPA: 2.000

Minimum Grade: D

Academic Requirement: MTD5.15 Motive Power Technician (Diesel) - Apprentice

Major: MTD5

Grade Scheme: LG2

Minimum GPA: 2.000

Minimum Grade:

Subrequirement: Year 1

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
MKTG-1047	Marketing Principles	45.00	3.00	**
MATH-1162	Applied Mathematics	48.00	3.00	
MGMT-1198	Management-Intro	48.00	3.00	
WRIT-1039	Reason & Writing 1-Technology	45.00	3.00	

Subrequirement: Year 1 Add'l Reqmt

Take 1 of the following groups:

Group 1

		Total Hours	Total Credits	GE
MOTP-1036	Engine Mechanical Sys Fundamentals-Thy	64.00	4.00	
MOTP-1037	Engine Mechanical Sys Fundamentals-Lab	64.00	2.00	

Group 2

		Total Hours	Total Credits	GE
MOTP-1028	Engine Mechanical Systems Fundamentals	128.00	6.00	

Subrequirement: Year 1 Add'l Reqmt

Take 1 of the following groups:

Group 1

		Total Hours	Total Credits	GE
MOTP-1038	Power Train Sys Fundamentals-Thy	48.00	3.00	

See Appendix
A-2

Degree Audit Report

	MOTP-1039	Power Train Sys Fundamentals-Lab	48.00	1.50	
Group 2					
	MOTP-1029	Power Train Systems Fundamentals	96.00	4.50	
Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
	MOTP-1040	Fuel & Emission Sys Fundamentals-Thy	64.00	4.00	
	MOTP-1041	Fuel & Emission Sys Fundamentals-Lab	48.00	1.50	
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Group 1					
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	MOTP-1043	Vehicle Control Sys Fundamentals-Lab	48.00	1.50	
Group 2					
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Take 1 of the following groups:					
Group 1					
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	MOTP-1045	Electrical Sys Fundamentals-Lab	48.00	1.50	
Group 2					
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Subrequirement: Year 1 Add'l Reqmt					
Take 1 of the following groups:					
Group 1					
	MOTP-1046	Technical Practices & Auxillary Sys-Thy	64.00	4.00	
	MOTP-1047	Technical Practices & Auxillary Sys-Lab	32.00	1.00	

See Appendix
A.2

Degree Audit Report

Group 2

		Total Hours	Total Credits	GE
MOTP-1033	Technical Practices & Auxilliary Systems	96.00	5.00	

Subrequirement: Year 2

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Take all of the following Mandatory Courses:

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MOTP-5010	Diesel Engine Mechanical Systems	40.00	2.50	
MOTP-5011	Heavy Duty Climate Control Systems	40.00	2.50	
MOTP-5012	Heavy Duty Power Train Systems	40.00	1.50	
MOTP-5013	Heavy Duty Vehicle Control Systems	48.00	3.00	
MOTP-5014	Applied Vehicle Dynamics	48.00	3.00	
MGMT-5041	Management Principles	45.00	3.00	**
MGMT-5043	Applied Management Principles	35.00	2.00	
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See Appendix
A-2**Subrequirement: Gen Ed - Electives**

Take 3 General Education Credits -

Normally taken in Year 2

Subrequirement: Program Residency

Students Must Complete a Minimum of 20 credits in this
program at Fanshawe College to meet the Program Residency
requirement and graduate from this program

Approved By Chair/Manager:

Approved by Dean:

General Education Approved By(as appropriate):

Department and Date:

Date:

Date:

De Groot, Elizabeth

From: Patterson, Stephen
Sent: Saturday, November 22, 2014 8:05 AM
To: De Groot, Elizabeth
Cc: Gedies, Tracy
Subject: RE: Degree Audit Changes affecting SLLS

Hi Elizabeth,

Thanks. I recall a conversation with Vertha on this general topic. I am aware of this change for F15 now, and I see no issue with the change. It is a good thing.

Thank you!
Steve

Stephen M. Patterson
Acting Chair

School of Language and Liberal Studies
Fanshawe College
spatterson@fanshawec.ca
www.fanshawec.ca
519.452.4430 Ext. 4704

From: De Groot, Elizabeth
Sent: November-21-14 3:45 PM
To: Patterson, Stephen
Cc: Gedies, Tracy
Subject: Degree Audit Changes affecting SLLS

Good Afternoon Steve,

We have received a Degree Audit Change Form for the Motive Power Technician programs (MTA4, MTAS, MTD4, and MTD5) that affects your school; however, they did not get your signature indicating that you were aware of the change (see attached for copy). They are looking to move their Motive Power Technician programs from an accelerated delivery (three 16-week semesters) to the standard delivery (four 15-week semesters). Would you be able to respond to this email indicating that you are aware and approve of these changes?

Thank you,

Elizabeth de Groot
Assistant to the Director

Centre for Academic Excellence
Quality through Collaboration
1001 Fanshawe College Blvd. London, ON N5Y 5R6
T: 519-452-4430 x4407